| | | | | | GUIDE FR | EQUENCY | | |
|----------------------|--|--|---------------------|------------------------|---|---|---------------------------------|--|
| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| 400 | | | | | | | | |
| HOT MIX ASPHALTIC | Asphalt Cement | DSR T-315 | DOT-504 | (2) 1 pt. | QPL-7 | As per GSP-21 | Storage Tank | |
| CONCRETE | Coarse Aggregate for Asphaltic Concrete | Wash 200 T11 Gradation T27 | DOT-658 | 45 lbs. | QPL-2 | As necessary | Stockpile | |
| | Fine Aggregate | Gradation T11 & T27 | | | | | | |
| | for Asphaltic Concrete | Clay Lumps T112 | | | | | | |
| | Concrete | Sand Equivalent GDT-63 | DOT-658 | 20 lbs. | QPL-1 | As necessary | Stockpile | |
| | | Mica Content | | | | | | |
| | Mineral Filler | Gradation T11 & T27 | DOT-168 | 10 lbs. | QPL-81 | One per 500 tons, per Type, per Source | Silo | |
| | In-Place Material | Thickness Measurement GDT- 42 Method B | DOT-176 | | One per 1,000 ft, per 2 lanes | Observe 1 per 3 miles, per 2 lanes | Completed Course | |
| | Hydrated Lime | Physical & Chemical Analysis M303 | | 4 - 1 + | | 0 | O'le es Testes | *air-tight container |
| | | Gradation T219 | | 1 qt.* | QPL-41 | One per Quarter | Silo or Tanker | As required by SOP-17 |
| | | Chemical T219 | | | | | | As required by GOI -17 |
| | Release Agent | Slide & Soak Test <i>GDT-113</i> | | 1 qt. | QPL-39 | One per Quarter | Nozzle of Delivery System | |
| | Complete Mixture | Extractions <i>T11</i> , <i>GDT-38</i> , <i>GDT-73</i> , <i>GDT-83</i> or <i>GDT-125</i> , <i>T-30</i> | DOT-387 | Varies per Mix Type | Minimum 1 per 500 tons | Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days | Truck or Roadway | AASHTO T308 (Method A) |
| | | Stripping Test <i>GDT-56</i> | | 300 g | One per Extraction (Open-Graded Mixes only) | | Same as Extraction | For all Asphaltic Concrete "OGFC" & other Mixes where the additive is incorporated at the plant, test at frequency of 1 per Extraction |
| | | Compaction GDT-39, GDT-59 or GDT-73 | DOT-386 | Core | ≥ 500 tons 5 per lot . < 500 tons 1 per 100 tons. | | After Compaction | Small quantities may be accepted with less Compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density |
| | | Smoothness GDT-126 | DOT-656 | | per 1 mile | | | |

| | | | | | GUIDE FREQUENCY | | | |
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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| 402 | | | | | | | | |
| HOT MIX RECYCLED ASPHALTIC | Asphalt Cement | DSR-T-315 | DOT-504 | (2) 1 pt. | QPL-7 | As per GSP-21 | Storage Tank | |
| CONCRETE | Coarse | Wash 200 T11 | | | | | | |
| | Aggregate for Asphaltic Concrete | Gradation 727 | DOT-658 | 45 lbs. | QPL-2 | As necessary | Stockpile | |
| | Fine Aggregate | Gradation <i>T11 & T27</i> | | | | | | |
| | for Asphaltic Concrete | Clay Lumps T112 | | - | | | | |
| | Concrete | Sand Equivalent GDT-63 | DOT-658 | 20 lbs. | QPL-1 | As necessary | Stockpile | |
| | | Mica Content | | | | | | |
| | Mineral Filler | Gradation T11 & T27 | DOT-168 | 10 lbs. | QPL-81 | One per 500 tons, per Type, per Source | Silo | |
| | In-Place Material | Thickness Measurement GDT- 42 Method B | DOT-176 | | One per 1,000 ft, per 2 lanes | Observe 1 per 3 miles, per 2 lanes | Completed Course | |
| | Hydrated Lime | Physical & Chemical Analysis <i>M303</i> | | | ODI 44 | One per Quarter | | *air-tight container |
| | | Gradation T219 | | 1 qt.* | QPL-41 | One per Quarter | Silo or Tanker | As required by SOP-17 |
| | | Chemical T219 | | | | | | 7.6 roquilou by CO1 11 |
| | Relase Agent | Slide & Soak Test <i>GDT-113</i> | | 1 qt. | QPL-39 | One per Quarter | Nozzle of Delivery System | |
| | Complete Recycled Mixture | Extractions T11, GDT-38, GDT- 73, GDT-83 or GDT-125, T-30 | DOT-387 | Varies per Mix Type | Minimum 1 per 500 tons | Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days | Truck or Roadway | AASHTO T308 (Method A) |
| | | Abson Recovery <i>GDT-119</i> | | | 1 per week, ≥ 20% RAP | | | As required by GSP 21 |
| | | Compaction GDT-39, GDT-59 or GDT-73 | DOT-386 | Core | ≥ 500 tons 5 per lot . < 500 tons 1 per 100 tons. | | After Compaction | Small quantities may be accepted with less Compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density |
| 403 | | Smoothness GDT-126 | DOT 656 | per 1 mile | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| HOT IN-PLACE RECYCLED ASPHALTIC CONCRETE | Asphalt Cement Rejuvenation Agent | ASTM D4552 | | | Supplier Certification | | | |
| | Asphalt Cement | DSR-T-315 | DOT-504 | (2) 1 pt. | QPL-7 | One per 75,000 gal., per Source | Before mixing | |
| | Hot Mix Asphalt | ic Concrete produced at asphalt | plant (if incorpo | rated) | .L | L | L | L |
| | Asphalt Cement | DSR-T-315 | DOT-504 | (2) 1 pt. | QPL-7 | As per GSP-21 | Storage Tank | |
| | Coarse | Wash 200 T11 | | | | | | |
| | Aggregate for Asphaltic Concrete | Gradation 727 | DOT-658 | 45 lbs. | QPL-2 | As necessary | Stockpile | |
| | Fine Aggregate | Gradation <i>T11 & T27</i> | | | | | Stockpile | |
| | for Asphaltic | Clay Lumps <i>T112</i> | | | | | | |
| | Concrete | Sand Equivalent <i>GDT-63</i> | DOT-658 | 20 lbs. | QPL-1 | As necessary | | |
| | | Mica Content | | | | | | |
| | Mineral Filler | Gradation <i>T11 & T27</i> | DOT-168 | 10 lbs. | QPL-81 | One per 500 tons, per Type, per Source | Silo | |
| | In-Place Material | Thickness Measurement GDT- 42 Method B | DOT-176 | | One per 1,000 ft, per 2 lanes | | Completed Course | |
| | Hydrated Lime | Physical & Chemical Analysis <i>M303</i> | | | | | | *air-tight container |
| | | Gradation T219 | | 1 qt.* | QPL-41 | One per Quarter | Silo or Tanker | As required by SOP-17 |
| | | Chemical T219 | | | | | | 7.5 required by 661 17 |
| | Complete Mixture | Extractions <i>T11,GDT-38, GDT-73, GDT-83</i> or <i>GDT-125, T30</i> | DOT-387 | Varies per Mix Type | Minimum 1 per 500 tons | Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days | Truck or Roadway | AASHTO T308 (Method A) |
| | | Stripping Test <i>GDT-56</i> | | 300 g | One per Extraction (Open-Graded Mixes only) | | Same as Extraction | For all Asphaltic Concrete "OGFC" & other Mixes where the additive is incorporated at the plant, test at frequency of 1 per Extraction |
| | Virgin Aggregate | Gradation 727 Wash 200 711 | - DOT-658 | 35 lbs. | QPL-1 or QPL-2 | As Needed | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Complete Hot in Place Recycled Mix | Extractions T11, GDT-38, GDT-73, GDT-83 or GDT-125 | DOT-387 | Varies per Mix Type | Minimum 1 per 500 tons | Two QA samples per 5 days production or 5 lots; 1 comparison sample per 10 days | Truck or Roadway | AASHTO T308 (Method A) |
| | | Compaction GDT-39, GDT-59 or GDT-73 | DOT-382 | Core | ≥ 500 tons 5 per lot . < 500 tons 1 per 100 tons. | | After Compaction | Small quantities may be accepted with less Compaction tests *Each test consists of 3 readings when Nuclear Gauge is used to determine Density |
| | | Smoothness GDT-126 | DOT 656 | per 1 mile | | | | |
| | | Density, Stability & Flow 7245 | DOT-658 | | | | | |
| | | Maximum Theoretical Gravity T209 | | | | | One per day from | |
| | | Extractions GDT-38 & GDT-83 | | | | | Roadway | |
| | | Penetration T49 | | | | | | |
| | | Percent Voids 7269 | | | | | | |
| 405 | | | | | | | | |
| HOT ASPHALTIC VULCANIZED RUBBER SEAL | Asphalt Cement | DSR-T-315 | DOT-504M | 1 qt. | QPL-7 | One per 5 days of production | Distributor (before application) | |
| | Vulcanized Rubber | | | | Certified Mill Test Report | | | |
| | Coarse | Wash 200 T11 | DOT-658 | 45 lbs. | QPL-2 | | Stockpile | |
| | Aggregate | Gradation 727 | DO1-000 | +3 ibs. | QI L-Z | | Otockpile | |
| 412 | | 1.10 | | | L 0.51 = | | Latin | |
| BITUMINOUS PRIME | Cutback Asphalt | Viscosity T201 | DOT-503 | 1 qt. | QPL-7 | one per project | Distributor | |
| | Cutback Asphalt Emulsion | Viscosity 772 | DOT-503 | 1 qt. | QPL-7 & Visual Inspection | one per project | Distributor | |
| 413 | | <u> </u> | | | | L | L | |
| BITUMINOUS TACK COAT | Asphalt Cement | DSR-T-315 | DOT-504M | (2) 1 pt. | QPL-7 | One per 7 days of placement SR. Two per 7 days placement Interstate. | Distributor (before application) | |
| | | GDT-57 | | 6 inch core | | | | as requirey |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Emulsified Asphalt | Viscosity T59 | DOT-325M | 1 gal plastic | QPL-7 | One per 5 days of placement | Distributor (before application) | |
| | | GDT-57 | | 6 inch core | | | | as requirey |
| 414 | | | _ | | | | | |
| HOT ASPHALT RUBBER SEAL FOR STRESS | Asphalt Cement | DSR-T-315 | | | QPL-7 & Visual Inspection | | | |
| RELIEF | Ground Tire Rubber | | DOT-658 | | Certified Mill Test Report | | | |
| | Coarse | Wash 200 T11 | | | | _ | | |
| | Aggregate | Gradation T27 | DOT-658 | 45 lbs. | QPL-2 | As necessary | Stockpile | |
| 424 | | | | | | | | |
| BITUMINOUS SURFACE TREATMENT | Asphalt Cement | DSR-T-315 | DOT-504M | (2) 1 pt. | QPL-7 | 1 per project | Distributor | |
| | Emulsified Asphalt | Viscosity 759 penetration residue sieve | DOT-325M | 1 gal. plastic | QPL-7 | 1 per project | Distributor | |
| | Coarse Aggregate | Gradation 727 | | | QPL-2, Sections A, B & C | One per size, per Project | Stockpile | |
| | | Minus No.200 Material <i>T11</i> | DOT-658 | 45 lbs. | One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | | | |
| 427 | | | | | | | | |
| EMULSIFIED ASPHALT SLURRY SEAL | Emulsified Asphalt | Viscosity T59 | DOT-503 | 1 gal.* | QPL-7 | One per Project | Storage Tank | *non-metal container |
| SLAL | Hydrated Lime | Physical & Chemical Analysis <i>M303</i> | | 4 -1 + | ODI 44 | O D | | *-: |
| | | Gradation T219 | | 1 qt.* | QPL-41 | One per Project | | *air-tight container |
| | | Chemical T219 | | | | | | |
| P | Portland Cement | Physical & Chemical Analysis <i>M85</i> | | | | | | |
| | Air C | Air Content M85 | | | | | | |
| | | Fineness <i>M85</i> | DOT-175 | 20 lbs. | QPL-3 | One per Project | | |
| | | Autoclave M85 | 1 | | | | | |
| | | Compressive Strength M85 | | | | | | |
| | | Vicat T131 | | | | | | |
| | | | | | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Chemical M85 | | | | | | |
| | Fine Aggregate | Gradation 727 Wash 200 711 | DOT-658 | 20 lbs. | One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D. | Stockpile | |
| | Water | Physical & Chemical Analysis 726 | DOT-088 | 1 qt.* | One per unpotable Source | | Enough in advance so results are known before use | *non-metal container |
| | In-Place Material | Extraction GDT-38, GDT-83 or GDT-125, T30 | | 1 gal. | One per week, per truck | | From Distributor | AASHTO T308 (Method A) |
| 428 | | | | | | | | |
| MICRO- SURFACING | Emulsified Asphalt | Viscosity 759 | DOT 325 | 1 gal.* | QPL-7 | One per Project | Before mixing | *non-metal container |
| | Diluted Emulsion Tack | Residue by Evaporation 759 | DOT 325 | 1 gal.* | One per 5 days of production | | Distributor | *non-metal container |
| | Hydrated Lime | Physical & Chemical Analysis M216 | DOT 325 | 1 qt.* | QPL-41 | One per Project | | *air-tight container |
| | Portland Cement | Physical & Chemical Analysis <i>M85</i> | | 20 lbs. | QPL-3 | One per Project | | |
| | Aggregate | Moisture Content GDT-40 | | 2000 g | | One per 5 days of production | Stockpile | |
| | | Gradation 727 | | | | | | |
| | | Minimum No. 200 <i>T11</i> | | | | QPL-2 Sources, as | | |
| | | Sand Equivalent GDT-63 | DOT-658 | 20 lbs. | One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | needed, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | Stockpile | |
| | In-Place | Extraction GDT-125 | | Minimum: | | Two per 1 day of | Dover | |
| | Material | Gradation GDT-3, T30 | | 2000 g | | production | Paver | |
| 430 | | | | | | | | |
| PORTLAND CEMENT CONCRETE | Concrete | Compressive Strength <i>GDT-35</i> & <i>T22</i> | DOT-319 | 6" X 12" cylinders | Three sets of 4 cylinders per lot | | During placement operations at Roadway | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| PAVEMENT | | Air Content <i>GDT-26</i> Slump <i>GDT-27</i> | | 3/ iiii 22 | Air, Slump & mix temp. when cylinders are made & as | 7.000.002 | | Minimum of 3 per day by Contractor Minimum of 3 per day by |
| | | | | | necessary for control | | | Contractor |
| | | Mix Temperature GDT-122 | | | | | | |
| | | Thickness GDT-31 | DOT-176 | 4" core | As per Section 430.06 of the Specifications | | Roadway | |
| | Portland | Air Content T137 | | | | | | |
| | Cement | Fineness <i>M85</i> | | | | | Jobsite storage | |
| | | Autoclave M85 | | | 0.71.0 | One per 2,000 tons, | | |
| | | Compressive Strength M85 | DOT-175 | 10 lbs. | QPL-3 | per Source | | |
| | | Vicat 7131 | | | | | | |
| | | Chemical <i>M85</i> | | | | | | |
| | Portland | Air Content T137 | | | | | | |
| | Pozzolan Cement | Fineness M240 | | | | | | |
| Ceme | Cement | Autoclave M240 | DOT 175 | 40 " | 0.01 | One per 2,000 tons, | | |
| | | Compressive Strength M240 | DOT-175 | 10 lbs | QPL-3 | per Source | Jobsite storage | |
| | | Vicat T131 | | | | | | |
| | | Chemical M240 | | | | | | |
| | Curing Agent | Specifications for Liquid Membrane Curing M148 | DOT-168 | 1 qt. | QPL-16 or pre- inspection by Central Lab Personnel | | Jobsite storage | As required by SOP-17 |
| | | Paper Mats, Plastic Specifications | | 1 yd ² | Pre-inspected by Central Lab Personnel | | Cossile didingge | |
| | Air- Entrainment Admixtures | Air-Entraining Admixtures for Concrete M154 | DOT-175 | 1 qt. | QPL 13 | 1 per 7 production days, per source | | Jobsite storage |
| | Cemical Admixtures | chemical admixtures for Concrete M194 | DOT-175 | 1 qt. | QPL 14 | 1 per 7 production days, per source | | Jobsite storage |
| | Fly Ash | Fineness <i>M295</i> | | † | - | | <u> </u> | <u> </u> |
| | | Activity M295 | | | | | | |
| | | Soundness M295 | DOT-175 | 10 lbs. | QPL-30 | One per 2,000 tons, | Jobsite storage | |
| | | Density M295 | | | | per Source | Ĭ | |
| | | Chemical M295 | | | | | | |
| | Slag | Fineness <i>M302</i> | | † | - | | | |
| Sia | | Activity M302 | 7 | | 0.51.00 | One per 2,000 tons, per Source | Ons, Jobsite storage | |
| | | Air Content M302 | DOT-175 | 10 lbs. | QPL-30 | | | |
| | | Density M302 | | | | | | |

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| TYPE | | TEST PROCEDURES | REPORT SM | SIZE OF | | QUALITY | LOCATION OR TIME | |
| CONSTRUCTION | MATERIAL | Name & <i>Number</i> | Report | SAMPLE | ACCEPTANCE | ASSURANCE | OF SAMPLING | REMARKS |
| | | Chemical M302 | | | | | | |
| | Steel Bars for | Number <i>M31M</i> | | | | | | |
| | Reinforcement | Weight M31M | | | | | | |
| | | Dimensions M31M | | | | | | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap M31M | DOT-166 | 1 pc @ 24" | QPL-12 & QPL-61 w/Certified Mill Test | Random sampling at | Supplier,Fabricator or | |
| | | Tensile Strength T244 | DO1-100 | per size | Reports. | Fabricator | Jobsite storage | |
| | | Yield Strength T244 | | | | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | | | | | | |
| | | Chemical <i>M31M</i> | | | | | | |
| | Steel Wire for | Size M32M | | | | | | |
| | Reinforcement | Diameter M32M | | | | | | |
| | | Area M32M | | | | | | |
| | | Tensile Strength T244 | Certification | 1 pc @ 24" per size/dia | Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | | Yield Strength T244 | | per size/uia | Кероп | | producer stock | |
| | | Area Reduction T244 | | | | | | |
| | | Bend Test M32M | | | | | | |
| | Welded Steel | Size <i>M55M</i> | | | | | | |
| | Wire Fabric for Reinforcement | Diameter <i>M55M</i> | | | | | | |
| | Remorcement | Area M55M | | | | | | |
| | | Tensile Strength T244 | | | | | | |
| | | Yield Strength T244 | | | | | | |
| | | Area Reduction T244 | Certification | 2' X 2' | QPL-55 w/Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | | Bend Test <i>M55M</i> | | | Willi Test Kepolt | | producer stock | |
| | | Weld Shear Strength M55M | | | | | | |
| | | Width <i>M55M</i> | | | | | | |
| | | Length M55M | | | | | | |
| | | Spacing <i>M55M</i> | | | | | | |
| | Dowel Bars | Number <i>M31M</i> | | | | | | |
| | | Weight <i>M31M</i> | | | | | | |
| | | Dimensions M31M | | | | | | |
| | | Height & Gap <i>M31M</i> * | | | | | | |
| | | Tensile Strength T244 | DOT 4004 | 3 pcs. @ 18" | QPL-43 w/Certified | | Jobsite storage, prior to | *N/A (an Diain David David |
| | | Yield Strength T244 | DOT-166A | long per size | Mill Test Report | | use | *N/A for Plain Dowel Bars |
| | | Elongation T244 | | | | | 1 | |
| | | Bend Test T285 | | | | | 1 | |
| | | Chemical <i>M31M</i> | | | | | 1 | |
| | | Coating 853.08 | | | | | 1 | |
| | Tie Bars | Number <i>M31M</i> | DOT-166 | 3 pcs. @ 30" | QPL-12 & QPL 61 | | Jobsite storage, prior to | |
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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Weight M31M | | long per size | | | use | |
| | | Dimensions M31M | | | | | | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap <i>M31M</i> * | | | | | | |
| | | Tensile Strength T244 | | | | | | |
| | | Yield Strength T244 | | | | | | |
| | | Elongation T244 | | | | | | |
| | | Chemical M31M | | | | | | |
| | Dowel Bars & Tie Bars Baskets | As Specified | DOT-166A | 6 bars in basket assembly | One per Project | One per Project | Jobsite storage, prior to use | |
| | Multi-Piece tie Bars | As Specified | DOT- 166 | Complete Assembly* | As per Section 430.2.E of the Specifications | One per Project | Jobsite storage, prior to use | *2 pieces of deformed reinforcing steel (3' long each) with coupler assembled |
| | Coarse | Gradation T27 | | | | | | |
| | Aggregate | Wash 200 T11 | DOT-658 | 45 lbs. | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | Belt & Stockpile | |
| | Fine Aggregate | Gradation T27 | | | | | | |
| | | Minus No. 200 <i>T11</i> | | | | QPL-1 Sources, 1 | | |
| | | Sand Equivalent <i>GDT-63</i> | DOT-658 | 20 lbs. | One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis, Sources. Material from Section D must be sampled. | per 20,000 tons, except for Section D, Stockpile Basis, Sources. The Department will perform acceptance tests on materials delivered from Section D Sources. | Belt & Stockpile | |
| | Silicone | Tensile Stress ASTM D412 | | | | | | |
| | Sealant [| Durometer ASTM D2240 | - | | - | | | |
| | | Bond <i>GDT-106</i> | - | | QPL-66 <u>or</u> 1 sample | | | |
| | | Tack Free Time GDT-106 | DOT-168 | | per batch, per Type | | | |
| | | Extrusion GDT-106 | 1 | | 1 | | | |
| | | Non-Volatile <i>GDT-106</i> | † | | 1 | | | |
| I | L | L | <u></u> | <u> </u> | <u> </u> | | l | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Specific Gravity ASTM D792 | | | | | | |
| | | Adhesion <i>GDT-106</i> | | | - | | | |
| | | Resistance ASTM C793 | | | - | | | |
| | Bond Breakers | Density ASTM D1622 | | | | | | |
| | -Rods | Tensile Strength ASTM D1623 | | | Pre-inspected by Central Lab & | | - | |
| | | Ğ | DOT-168 | 6 ft | Certified Mill Test Report; 1 sample per shipment | | Stock | |
| | | Water Absorption ASTM C1061 | | | | | | |
| | Bond Breakers –Tape | Thickness | DOT-168 | | Certified Mill Test Report | | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Bond Strength GDT-58 | | | QPL-15 or 1 sample | | | |
| | | Shelf Life | DOT-168 | 1 kit | per batch, per Type | | | |
| | | Condition | | | | | | |
| | Water | Quality of Water to be Used in Concrete 726 | DOT-088 | 1 qt.* | One per unpotable Source, per month | | Prior to use | *non-metal container |
| 433 | | | | | | | | |
| REINFORCED CONCRETE APPROACH | Concrete | Compressive Strength <i>GDT-35</i> & <i>T22</i> | | | One set of 50 yd ³ daily for each structure | | Placement site | |
| SLABS | | Air Content GDT-26 | DOT-319 | | Air, slump & mix | | Placement site | |
| | | Slump GDT-27 | 20.0.0 | | temp. when cyls. Are made & as judge | | - | |
| | | Mix Temperature <i>GDT-122</i> | | | necessary to insure adequate control | | | |
| | Portland | Air Content T137 | | | | L | | |
| | Cement | Fineness <i>M85</i> | | | | | | |
| | | Autoclave M85 | DOT-175 | | OB | L-3 | | |
| | | Compressive Strength M85 | DO1-175 | | QF | L-3 | | |
| | | Vicat T131 | | | | | | |
| | | Chemical <i>M85</i> | | | | | | |
| | Portland | Air Content T137 | | | | | | |
| | Pozzolan Cement Fineness M240 Autoclave M240 Compressive Strengt Vicat T131 | | | | | | | |
| | | | DOT-175 | | QP | 'L-3 | | |
| | | | 20 | | QPL-3 | | | |
| | | | | | _ | | | |
| | Fine Aggregate | Chemical <i>M240</i> Gradation <i>T27</i> | DOT 050 | | 0 | ODI 4 0 | | |
| 1 | Fine Aggregate | Gradation 121 | DOT-658 | | One per 1,500 tons | QPL-1 Sources, 1 | | |

| | | | | | GUIDE FR | REQUENCY | | |
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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Sand Equivalent <i>GDT-63</i> | | | based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 T11 | | | | | | |
| | Aggregate | Gradation 727 | DOT-658 | | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Steel Bars for | Number <i>M31M</i> | | | | | | |
| | Reinforcement | Weight <i>M31M</i> | DOT-166 | | | | | |
| | | Dimensions M31M | | | | | | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap <i>M31M</i> | | 1 pc @ 24" | QPL-12 & QPL-61 | Random sampling at | Supplier,Fabricator or | |
| | | Tensile Strength T244 | DOT-166 | per size | w/Certified Mill Test Reports. | Fabricator | Jobsite storage | |
| | | Yield Strength T244 | | ' | Reports. | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | | | | | | |
| | | Chemical <i>M31M</i> | | | | | | |
| | Fly Ash | Fineness M295 | | | | | | |
| | | Activity M295 | | | | | | |
| | | Soundness M295 | DOT-175 | 10 lbs. | QPL-30 | | | |
| | | Density M295 | | | | | | |
| | | Chemical <i>M295</i> | | | | | | |
| | Slag | Fineness M302 | | | | | | |
| | | Activity M302 | | | | | | |
| | | Air Content M302 | DOT-175 | 10 lbs. | QPL-30 | | | |
| | | Density M302 | | | | | | |
| | | Chemical M302 | | | | | | |
| | Silicone | Tensile Stress ASTM D412 | | † | | - | | |
| | Sealant | Durometer ASTM D2240 | Misc. DOT- | | QPL-66 or 1 sample | | | |
| | | Bond <i>GDT-106</i> | 168 | | per batch, per Type | | | |
| I | L | L | | | <u></u> | .[| | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Tack Free Time GDT-106 | | | | | | |
| | | Extrusion GDT-106 | | | | | | |
| | | Non-Volatile GDT-106 | | | | | | |
| | | Specific Gravity ASTM D792 | | | | | | |
| | | Adhesion <i>GDT-106</i> | | | | | | |
| | | Resistance ASTM C793 | | | | | | |
| | Bond Breakers | Density ASTM D1622 | | | | | | |
| | -Rods | Tensile Strength ASTM D1623 | Misc. DOT- | 6 ft | Pre-inspected by Central Lab & Certified Mill Test | | Stock | |
| | | Water Absorption ASTM C1061 | . 168 | | Report; 1 sample per shipment | | Olock | |
| | Bond Breakers -Tape | Thickness | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Bond Strength GDT-58 | Misc. DOT- | | QPL-15 <u>or</u> 1 sample | | | |
| | | Shelf Life | 168 | | per batch, per Type | | | |
| | | Condition | | | | | | |
| 434 | | | | | | | | |
| SAND ASPHALT PAVED DITCHES | Concrete | Compressive Strength <i>GDT-35</i> & <i>T22</i> | | | One set per each | | | |
| | | Air Content GDT-26 or GDT-32 | DOT-319 | 2 cylinders | 100 cumulative yd ³ or 1 set per week, per Plant | | During pouring operation | |
| | | Slump GDT-27 | | | | | | |
| | Asphalt Complete Mixture | Specification Requirements GDT-38 or GDT-83, GDT 125, T30 | | 25 lbs. | Two per week | | Truck or Roadway | |
| | Asphalt Cement | DSR T315 | DOT-504 | (2) 1 pt. | QPL-7 | One per Project | Before application | |
| | Fine Aggregate | Gradation T11 or T27 | † | † | | | | |
| | | Sand Equivalent <i>GDT-63</i> | DOT-658 | 20 lbs. | One per 1,500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | Stockpile | |
| 435 | | | | | | | | |
| RAPID SETTING CEMENT | Rapid Setting Patching | Flow of Mortar ASTM C109 | Misc. DOT- 168 | | QPL-27 <u>or</u> pre- inspected by Central | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| CONCRETE END | Material | Flexural Strength T97 | Report | SAIVIPLE | Lab Personnel | ASSURANCE | OF SAIVIPLING | REIVIARNO |
| DAMS & PATCHES | | Compressive Strength ASTM C109 or ASTM C31 | | | = | | | |
| | | Adsorption ASTM C140 | | | - | | | |
| | | Chlorides T260 | - | | _ | | | |
| | | Shear Bond Freeze-Thaw ASTM C666 | - | | - | | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Elongation <i>GDT-58</i> | - | | | | | |
| | | Bond Strength GDT-58 | Misc. DOT- | | QPL-15 or 1 sample | | - | |
| | | Hardness ASTM D2240 | 168 | 1 kit | per batch, per Type | | Stock | |
| | | Sag Test T237 | 1 | | | | | |
| | | Wet Bond Test 7237 | 1 | | | | | |
| | Silicone | Tensile Stress ASTM D412 | | | | | | |
| | Sealant | Hardness ASTM D2240 | 1 | | | | | |
| | | Bond <i>GDT-106</i> | 1 | | | | | |
| | | Tack Free Time GDT-106 | 1 | | | | | |
| | | Extrusion GDT-106 | Misc. DOT- | | QPL-66 <u>or</u> 1 sample | | – | |
| | | Non-Volatile GDT-106 | 168 | | per batch, per Type | | Stock | |
| | | Specific Gravity ASTM D792 | | | | | | |
| | | Adhesion GDT-106 | = | | _ | | | |
| | | Resistance ASTM C793 | = | | _ | | | |
| | Bond Breakers | Density ASTM D1622 | | | | | | |
| | -Rods | Tensile Strength ASTM D1623 | Misc. DOT- | 6 ft | Pre-inspected by Central Lab & Certified Mill Test | | Stock | |
| | | Water Absorption ASTM C1061 | . 168 | | Report; 1 sample per shipment | | | |
| | Bond Breakers -Tape | Thickness | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Preformed Foam Joint Filler | Specification 822.10 | Misc. DOT- 168 | | QPL-20 Certified Mill Test Report | | | |
| 436 | | | | | | | | |
| ASPHALTIC CONCRETE CURB | NOTE: When pl | aced in conjunction with Pay Iter | n in Section 400 | , and ingredien | ts are sampled under th | at Item, no additional | samples of AC, CA, FA, or | Mineral Filler required. |
| | Tack Coat | Specification Requirements <i>T59, DSR T315</i> | DOT-503 | 1 gal. PLASTIC | QPL-7 | One per Project | Before application | |

| | | | | | GUIDE FREQUENCY | | | |
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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Asphalt Cement | Dynamic Shear <i>TP-5, DSR T315</i> | DOT-504 | (2) 1 pt. | QPL-7 | One per Project | Before application | |
| | Mineral Filler | Gradation <i>T11 & T27</i> | | 10 lbs. | QPL-81 | One per 1,000 tons, per Type, per Source | Stock | |
| | Completed Mix | Specification Requirements GDT-38 or GDT-83,GDT 125, T30 | DOT-387 OMR-TM- 159-5 | 25 lbs. | Two per week | | Truck or Roadway | |
| | Fine Aggregate | Gradation T27 | | | | | | |
| | | Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i> | DOT-658 | | One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | As necessary | | |
| | Coarse | Wash 200 <i>T11</i> | | | | | | |
| | Aggregate | Gradation 727 | DOT-658 | | One per 500 tons based upon QPL-2, except form Section D, Stockpile Basis Sources; material from Section D must be sampled. | As necessary | | |
| 437 | | | | | | | | |
| GRANITE CURB | Granite from Unapproved Source | Percent Wear T96 | | 100 lbs. | One per Source | | Stock | |
| | Granite from Approved Source | | | | QPL-2 & Visual Inspection | | | |
| 438 | | | | | | | | |
| PRECAST CONCRETE HEADER CURB | Portland Cement | Air Content T137 Fineness M85 | | | _ | | | |
| | | Autoclave M85 | DOT-175 | | QPL-3 | One per Quarter, per | | |
| | | Compressive Strength M85 | | | | Source, per District | | |
| | | Vicat T131 Chemical M85 | | | 4 | | | |
| Dortland | Air Content T137 | | | | | | | |
| | Pozzolan Cement | Fineness M240 | | | | | | |
| | | Autoclave <i>M240</i> | DOT 475 | | | | | |
| | | Compressive Strength <i>M240</i> | DOT-175 | | | | | |
| | | Vicat T131 | | | | | | |
| 1 | L | vioat I IJ I | L | | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Chemical <i>M240</i> | | | | | | |
| | Fine Aggregate | Gradation T27 | | | | | | |
| | | Sand Equivalent <i>GDT-63</i> | DOT-658 | 20 lbs. | One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 T11 | | | | | | |
| | Aggregate | Gradation T27 | DOT-658 | 45 lbs. | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Steel Bars for | Number <i>M31M</i> | | | | | | |
| | Reinforcement | Weight M31M | 1 | | | | | |
| | | Dimensions M31M | 1 | | | | | |
| | | Deformation Spacing M31M | 1 | | | | | |
| | | Height & Gap <i>M31M</i> | DOT 400 | 1 pc @ 24" | QPL-12 & QPL-61 | Random sampling at | Supplier,Fabricator or | |
| | | Tensile Strength T244 | DOT-166 | per size | w/Certified Mill Test Reports. | Fabricator | Jobsite storage | |
| | | Yield Strength T244 | 1 | | Troporto. | | | |
| | | Elongation T244 | 1 | | | | | |
| | | Bend Test T285 | 1 | | | | | |
| | | Chemical M31M | 1 | | | | | |
| | Fly Ash | Fineness <i>M295</i> | | | | | | |
| | | Activity M295 | 1 | | | | | |
| | | Soundness M295 | DOT-175 | | QPL-30 | | | |
| | | Density M295 | 1 | | 1 | | | |
| | | Chemical <i>M295</i> | 1 | | 1 | | | |
| | Dowel Bars | Number <i>M31M</i> | † | <u> </u> | | | | |
| | | Weight M31M | DOT-166A | | QPL-43 w/Certified | | | *N/A for Plain Dowel Bars |
| | | Dimensions <i>M31M</i> | 1 | | Mill Test Report | | | 1 |
| I | | <u> </u> | 1 | <u>l</u> | 1 | | <u> </u> | J 1 |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS | | |
| | | Deformation Spacing <i>M31M</i> * | | | | | | | | |
| | | Height & Gap <i>M31M</i> * | | | - | | | | | |
| | | Tensile Strength T244 | | | | | | | | |
| | | Yield Strength T244 | | | | | | | | |
| | | Elongation T244 | | | | | | | | |
| | | Bend Test T285 | | | | | | | | |
| | | Chemical M31M | | | | | | | | |
| | | Coating 853.08 | | | | | | | | |
| 439 | | | | | | | | | | |
| PORTLAND CEMENT CONCRETE | Concrete | Compressive Strength <i>GDT-35</i> & <i>T22</i> | DOT-319 | 2 cylinders | See NOTE 1 | | During pouring | Cylinders to be broken in Branch or Central Lab | | |
| PAVEMENT (SPECIAL) | | NOTE 1: One set per each 350 y Concrete cylinders shall be fabrica structure to represent Concrete pl | ated for each cun | nulative 350 yd ³ c | or fraction thereof, of Cor | e, except for concrete us | each structure. Cylinders | shall not be fabricated at one | | |
| | | Air Content GDT-26 or GDT-32 | | See NOTE 2 | When cylinders are | | Placement site | Additional Slump test will be required when Water is | | |
| | | Slump GDT-27 | | 000 11012 2 | made | | Flacement site | added on Project | | |
| | | Mix Temperature GDT-122 | | | | | | , | | |
| | | NOTE 2: Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate control. | | | | | | | | |
| | Portland | Air Content T137 | | | | | | | | |
| | Cement | Fineness <i>M85</i> | | | | | | | | |
| | | Autoclave M85 | DOT-175 | 10 lbo | 0.0 | PL-3 | | Johaita Dlanta anly | | |
| | | Compressive Strength M85 | DO1-175 | 10 lbs. | QF | 7L-3 | | Jobsite Plants only | | |
| | | Vicat T131 | | | | | | | | |
| | | Chemical <i>M85</i> | | | | | | | | |
| | Portland | Air Content T137 | | | | | | | | |
| Pos | Pozzolan Cement | Fineness M240 | | | | | | | | |
| | 000 | Autoclave M240 | DOT-175 | 10 lbs. | QPL 3 | | | Jobsite Plants only | | |
| | | Compressive Strength M240 | DO1-173 | 10 103. | QI L J | | | JODONE I IAINS UNIY | | |
| | | Vicat T131 | | | | | | | | |
| | | Chemical <i>M240</i> | | | | | | | | |
| | Fine Aggregate | Gradation 727 | DOT-658 | 20 lbs. | Based upon QPL-1, | QPL-1 Sources, 1 | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i> | | | except for Section D, Stockpile Basis Sources; material from Section D must be sampled 1 per 500 tons. | per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 T11 | | | | | | |
| | Aggregate | Gradation 727 | - | | | QPL-2 Sources, 1 | | |
| | | Gradation 727 | DOT-658 | 30 lbs. | Based upon QPL-2 Sources, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Steel Bars for Reinforcement | Number <i>M31M</i> | | | | | | |
| | | Weight M31M | | 1 pc @ 24" | | | | |
| | | Dimensions M31M | | | | | Supplier,Fabricator or | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap <i>M31M</i> | DOT 166 | | QPL-12 & QPL-61 | | | |
| | | Tensile Strength T244 | DOT-166 | per size | w/Certified Mill Test Reports. | | Jobsite storage | |
| | | Yield Strength T244 | | | | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | | | | | | |
| | | Chemical M31M | | | | | | |
| | Steel Wire for | Size M32M | | | | | | |
| | Reinforcement | Diameter M32M | | | | | | |
| | | Area M32M | | | | | | |
| | | Tensile Strength T244 | Certification | 1 pc @ 24" per size/dia | Certified Mill Test | Random sampling | Jobsite storage and/or | |
| | Welded Steel Wire Fabric for Reinforcement | Yield Strength T244 | | per size/dia | Report | | producer stock | |
| | | Area Reduction T244 | | | | | | |
| | | Bend Test <i>M32M</i> | | | | | | |
| | | Size <i>M55M</i> | | T | | | | |
| | | Diameter <i>M55M</i> | 1 | 21.74.21 | QPL-55 w/Certified | | Jobsite storage and/or | |
| | | Area <i>M55M</i> | Certification 2 | | QPL-55 w/Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | | Tensile Strength T244 | | | IVIIII I est Report | | producer stock | |
| I | | | L | | .L | | | |

| Yield Strength 7244 Area Reduction 7244 Bend Test M55M Width M55M Length M55M Dowel Bars Number M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 7244 Elongation T244 Bend Test M285 Chemical M3 Coaling 63.08 Tie Bars Number M31M Weight M31M Differs M31M Deformation Spacing M31M* Deformation Spacing M31M De | | | | | | GUIDE FR | EQUENCY | | |
|--|--------------|-------------|----------------------------|-----------|---------------|-------------------|--------------------|--------------------------|--|
| Vield Strength 7244 | TYPE | | TEST PROCEDURES | REPORT SM | SIZE OF | | QUALITY | LOCATION OR TIME | |
| Area Reduction 7244 Bend Test M55M Weld Shear Strength M55M Width M55M Length M55M Spacing M55M Number M31M Deformation Spacing M31M Deformation Spacing M31M Tensilis Strength 7244 Yield Strength 7244 Bend Test M285 Chemical M3 Coeting 853.08 Tie Bars Number M31M Deformation Spacing M31M Deformation Spacing M31M Tensilis Strength 7244 Bend Test M285 Chemical M3 Coeting 853.08 Tie Bars Number M31M Deformation Spacing M31M Deformation M3 Down Bar & Top Spacing M31M Deformation Spacing M31M Deformation M3 Down Bar & Top Spacing M31M Deformation M3 D | CONSTRUCTION | MATERIAL | | Report | SAMPLE | ACCEPTANCE | ASSURANCE | OF SAMPLING | REMARKS |
| Bend Test M55M Weld Shear Strength M55M Uvidt M55M Spacing M55M Spacing M55M Spacing M55M Down M55M Deformation Spacing M31M Deformation Spacing M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Elongation T244 Bend Test M2265 Chemical M3 Coaling 853.08 Tie Bars Number M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M* Tensile Strength T244 Elongation T244 Elongation T244 Bend Test M2265 Chemical M3 Coaling 853.08 Tie Bars Number M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Vield Strength T244 Elongation T244 Elongation T244 Elongation T244 Elongation T244 Chemical M3 Down Bar & Tensile Strength T244 Tiel Bar Spacified DOT-166 As Specified DOT-166 As Specified As Specified As Specified As Specified As Specified As Specified Coaling As per Section Lettile Strenge prior to use | | | = | | | | | | |
| Weld Shear Strength M55M Length M55M Length M55M Spacing M55M Spacing M55M Number M31M Weight M31M Deformation Spacing M31M* Tensile Strength 7244 Elongation 7244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Dimensions M31M Dimensions M31M Deformation Spacing M31M* Tensile Strength 7244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength 7244 Tensile Strength 724 Tensile Strength 724 Tensile Strength 724 Tensile Strength 724 | | | | | | | | | |
| Width M35M Length M55M Spacing M55M Dowel Bars Number M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 7244 Elongation 7244 Bend Test M285 Chemical M3 Costing 853.08 Number M31M Deformation Spacing M31M Height & Gap M31M* Dowel Bars Number M31M Dimensions M31M Deformation Spacing M31M Deformation Spacing M31M Number M31M Deformation Spacing M31M Tensile Strength 7244 Elongation 7244 Elongation 7244 Elongation 7244 Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie As Specified DOT-166 Dorel 66 Dot 166 Dot | | | | | | | | | |
| Length M55M Spacing M55M Number M31M Veight M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Elongation T244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Dimensions M31M Deformation Spacing M31M* Dimensions M31M Dimensions M31M Deformation Spacing M31M Deformation Spacing M31M Dimensions M31M Deformation Spacing M31M Deformatio | | | = | | | | | | |
| Spacing M55M Dowel Bars Number M31M Dimensions M31M Deformation Spacing M31M* Height & Sap M31M* Tensile Strength 7244 Bend Test M285 Chemical M3 Coating 853.08 Tile Bars Number M31M Deformation Spacing M31M Height & Sap M31M Tensile Strength 7244 Bend Test M285 Chemical M3 Coating 853.08 Dot-166 D | | | | | | | | | |
| Dowel Bars Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Height & Gap M31M* Tensile Strength T244 Tyled Strength T244 Elongation T244 Bend Test M285 Chemical M3 Coating &53.08 Tie Bars | | | • | | | | | | |
| Weight M31M Dimensions M31M* Height & Gap M31M* Tensile Strength 7244 Yield Strength 7244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Deformation Spacing M31M* Height & Gap M31M* Deformation Spacing M31M Deformation Spacing M31M Tensile Strength 7244 Polt-166 Tie Bars Number M31M Deformation Spacing M31M Deformation Spacing M31M Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Specified DOT-166 Dowel Bar & Tie Bar Specified DOT-166 Dowel Bar & Tie Bar Specified DoWel Par & As Specified DoWel Par & As Specified Dot-166 Dowel Bar & As Specified Dot-166 D | | | - | | | | | | |
| Dimensions M31M Deformation Spacing M31M* Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Deformation Spacing M31M Deformation Spacing M31M Dimensions M31M Deformation Spacing M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Tensile Strength T244 Elongation T244 Tensile Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Sexcitied Dowel Bar & As Specified Nulti-Piece Tie Multi-Piece Tie Mult | | Dowel Bars | | | | | | | |
| Deformation Spacing M31M* Height & Gap M31M* Tensile Strength 7244 Elongation 7244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength 7244 Elongation 7244 Deformation Spacing M31M Deformation Spacing M31M Tensile Strength 7244 Field Strength 7244 Elongation 7244 Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Mult | | | Weight M31M | | | | | | |
| Height & Gap M31M* Tensile Strength T244 Yield Strength T244 Elongation T244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie As Specified Tensile Strength T244 Price Tie As Specified DOT-166 DOT-166 As per Section As per Section As per Section Jobsite Storage, prior to use *N/A for Plain Dot *N/A | | | Dimensions M31M | | | | | | |
| Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Elongation 7244 Elongation 7244 Tensile Strength 7244 Tensile Strength 7244 Tohemical M3 Dowel Bar & Tie Bar Basketts DOT-166 DOT-166 DOT-166 Specified As Specified DOT-166 Specified DOT-166 As Specified DOT-166 As Specified | | | Deformation Spacing M31M* | | | | | | |
| Second Process Storage Process | | | Height & Gap <i>M31M</i> * | 1 | | | | | |
| Field Strength 1244 Elongation 7244 Field Strength 7244 Field Strength 7244 Elongation 7244 El | | | Tensile Strength T244 | DOT-166A | | | | | *N/A for Plain Dowel Bars |
| Bend Test M285 Chemical M3 Coating 853.08 Tie Bars Number M31M Weight M31M Dimensions M31M Height & Gap M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets DoT-166 DoT-166 DoT-166 For Bar Baskets DoT-166 DoT-166 As Specified Dot-166 Dot-166 As Specified Dot-166 D | | | Yield Strength T244 | | long per size | Willi Test Report | | use | |
| Chemical M3 Coating 853.08 Tie Bars Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Multi-Piece Tie Multi-Piece Tie As Specified DOT-166 DOT-166 DOT-166 DOT-166 DOT-166 DOT-166 As per Section As per Section | | | Elongation <i>T244</i> | | | | | | |
| Coating 853.08 Tie Bars Number M31M Weight M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets DOT-166 DOT-166 DOT-166 As Specified As Specified Multi-Piece Tie Bar Baskets Multi-Piece Tie As Specified As Specified As Specified Complete As per Section | | | Bend Test <i>M285</i> | | | | | | |
| Tie Bars Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets Baskets Multi-Piece Tie Pare Multi-Piece Tie Pare Number M31M Weight M31M Dimensions M31M DOT-166 As Specified DOT-166 DOT-166 As Specified One per Project, per size As per Section As per Section Jobsite Storage, prior to use *2 pieces of defor reinforcing steel/** Tie Bar Bar Baskets Multi-Piece Tie Pare As Specified As Specified As Specified As per Section | | | Chemical M3 | | | | | | |
| Weight M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Baskets Baskets Multi-Piece Tie Perc. Weight M31M Deformation Spacing M31M DOT-166 As Specified DOT-166 DOT-166 As Specified DOT-166 As Specified Complete As Specified Complete As Specified As Specified Complete As Specified As Specified Complete As per Section | | | Coating 853.08 | | | | | | |
| Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Rore Market As Specified DOT-166 DOT-166 Jobsite Storage, prior to use As per Section Jobsite Storage, prior to use Jobsite Storage, prior to use Jobsite Storage, prior to use As per Section *2 pieces of deformation Spacing M31M Dore per Project, per size As per Section Jobsite Storage, prior to use *2 pieces of deformation Spacing storage. | | Tie Bars | Number <i>M31M</i> | | | | | | |
| Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dot-166 Dot-166 Dot-166 Dot-166 Pare Dot-166 | | | Weight M31M | | | | | | |
| Height & Gap M31M Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Bar Character Tie Bar Baskets Multi-Piece Tie Bar Character Tie Bar Bar Baskets Multi-Piece Tie Bar Character Tie Bar Baskets Multi-Piece Tie Bar Baskets As Specified Complete As per Section Lebeito Storage, prior to use "2 pieces of defor reinforcing steel." | | | Dimensions <i>M31M</i> | | | | | | |
| Tensile Strength T244 Yield Strength T244 Elongation T244 Chemical M3 Dowel Bar & Tie Bar Baskets Baskets Multi-Piece Tie Rare Bare Bare Bare Bare Bare Bare Bare B | | | Deformation Spacing M31M | 1 | | | | | |
| Tensile Strength 7244 Yield Strength 7244 Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Pars As Specified DOT-166 DOT-166 DOT-166 As per Section Complete As per Section Iong per size Use Use Use Jobsite Storage, prior to use *2 pieces of deformation of the project | | | Height & Gap <i>M31M</i> | DOT-166 | | QPL-12 & QPL-61 | | | |
| Yield Strength 7244 Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Pars As Specified DOT-166 DOT-166 DOT-166 As per Section As per Section As per Section As per Section Complete Co | | | | | long per size | | | use | |
| Elongation 7244 Chemical M3 Dowel Bar & Tie Bar Baskets Multi-Piece Tie Pare As Specified DOT-166 DOT-166 DOT-166 DOT-166 As per Section As per Section Lobeits Storage, prior to use *2 pieces of deformation of the prior of the p | | | _ | | | | | | |
| Dowel Bar & Tie Bar Baskets Multi-Piece Tie Pare As Specified DOT-166 D | | | Elongation <i>T244</i> | | | | | | |
| Tie Bar Baskets DOT-166 basket assembly One per Project, per size Jobsite Storage, prior to use Multi-Piece Tie As Specified As per Section As per Section Identification of the project | | | Chemical <i>M3</i> | - | | | | | |
| Tie Bar Baskets DOT-166 basket assembly One per Project, per size Jobsite Storage, prior to use Multi-Piece Tie Pare As Specified As per Section As per Section Indicate Storage prior to reinforcing steel (*2 pieces of deformation of the storage prior to reinforcing steel (*2 pieces of deformation of the storage prior to reinforcing steel (*2 pieces of deformation of the storage prior to use *2 pieces of deformation of the storage prior to use *2 pieces of deformation of the storage prior to use *4 piece | | Dowel Bar & | As Specified | | 6 bars in | | | | |
| Multi-Piece Tie As Specified Some Section As per Section As per Section Indicate Storage prior to printering steel (1) | | | · | DOT-166 | basket | | | | |
| Rare Complete AS PET Section Lobeita Storage prior to Lobeita Storage prior to Lobeita Storage prior to Lobeita | | | | | assembly | 3120 | | | |
| | | | As Specified | | Complete | As per Section | | Jobsite Storage prior to | *2 pieces of deformed reinforcing steel (3' long |
| DOT-100 Assembly* 430.2.E of the One per Project use seeb) with source | | Daio | | DOT-166 | | 430.2.E of the | One per Project | | each) with coupler, |
| Assembly Specifications use each with couple assembled | | | | | | | | | assembled |
| Fly Ash Fineness M295 | | Fiy Ash | | _ | | | | | |
| Activity M295 Air Content M295 DOT 175 All be ORL 20 One per 2,000 tons, lebelte eterage | | | - | _ | | | One per 2 000 tons | | |
| per Source Jobsile storage Jobsile plants only | | | | DOT-175 | 10 lbs. | QPL-30 | per Source | Jobsite storage | Jobsite plants only |
| Density M295 | | | - | _ | | | | | |
| Chemical M295 | | | | | | | | | |
| Slag Fineness M302 DOT-175 10 lbs. QPL-30 One per 2,000 tons, per Source Jobsite storage Jobsite plants only per Source DOT-175 DOT-1 | | Slag | | DOT-175 | 10 lbs. | OPI -30 | | Jobsite storage | Jobsite plants only |
| Activity M302 DOT-175 TO IDS. QFL-30 per Source JODSite Storage JODSite Plants Only | | | Activity M302 | | | | per Source | L | CODORO PIGIRO OFFIN |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| CONCINCOTION | Willer | Soundness <i>M302</i> | rtoport | O, WIII EE | 710021 1711102 | 710001011102 | OT OTHER PROPERTY. | TAZIW WATE |
| | | Density M302 | | | | | | |
| | | Chemical <i>M302</i> | | | | | | |
| | Silicone | Tensile Stress ASTM D412 | | | | | | |
| | Sealant | Durometer ASTM D2240 | | | 1 | | | |
| | | Bond <i>GDT-106</i> | | | | | | |
| | | Tack Free Time GDT-106 | | | | | | |
| | | Extrusion GDT-106 | Misc. DOT- | | QPL-66 or 1 sample | | | |
| | | Non-Volatile <i>GDT-106</i> | 168 | | per batch, per Type | | | |
| | | Specific Gravity ASTM D792 | | | - | | | |
| | | Adhesion GDT-106 | | | | | | |
| | | Resistance ASTM C793 | | | | | | |
| | Bond Breakers | Density ASTM D1622 | | | | | | |
| | -Rods | Tensile Strength ASTM D1623 | | | Pre-inspected by | | | |
| | | | Misc. DOT- | 6 ft | Central Lab & Certified Mill Test | | Stock | |
| | | Water Absorption ASTM C1061 | . 168 | | Report; 1 sample per shipment | | | |
| | Bond Breakers -Tape | Thickness | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Ероху | Pot Life <i>GDT-58</i> | Misc. DOT- | | | | | |
| | Adhesive | Bond Strength GDT-58 | | | QPL-15 | | | |
| | | Shelf Life | 168 | | | | | |
| | | Condition | | | | | | |
| | Water | Quality of Water to be Used in Concrete 726 | DOT-088 | 1 qt.* | One per unpotable Source, per month | | Prior to use | *non-metal container |
| 440 | | | | | | | | |
| PORTLAND CEMENT | Portland Cement | Physical & Chemical Analysis | | | | | | |
| CONCRETE | Comon | | | | | | | |
| SHOULDERS | | Air Content 7137 | | | | | | |
| | | Fineness M85 | DOT-175 | 10 lbs. | QPL-3 | One per 2,000 tons | Jobsite storage | |
| | | Autoclave M85 | | | | , , | | |
| | | Compressive Strength <i>M85</i> Vicat <i>M131</i> | | | | | | |
| | | Chemical <i>M85</i> | | | | | | |
| | Portland | Air Content T137 | | 10 lbs. | QPL-3 | One per 2 000 tens | lobeito etorago | |
| | Poπiand Pozzolan | Fineness M240 | DOT 1 | TO IDS. | QPL-3 | One per 2,000 tons, per source | Jobsite storage | |
| | Cement | Autoclave M240 | DOT-175 | | | | | |

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|----------------------|-----------------------------------|---|---------------------|----------------------------|--|-------------------------------------|---------------------------------------|----------------------|
| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| CONCINCOTION | IVII CI EI CII CE | Compressive Strength <i>M240</i> | rtoport | O/ WIN EE | 7,0021 17,1102 | 7100011711102 | Of Gravit Lines | TEND WATER |
| | | Vicat 7131 | | | | | | |
| | | Chemical <i>M240</i> | | | | | | |
| | Water | Quality of Water to be Used in Concrete T26 | DOT-088 | 1 qt.* | One per unpotable source, per month | | Prior to use | *non-metal container |
| | Curing Agent | Specification for Liquid Membrane Curing <i>M148</i> | DOT-168 | | QP | .L -16 | | |
| | Air- Entrainment Admixtures | Air-Entraining Admixtures for Concrete M154 | DOT-168 | 1 qt.* | QPL-13 | 1 per 7 production days, per source | Jobsite storage | |
| | Chemical Admixtures | Chemical Admixtures for Concrete M194 | DOT-168 | 1 qt.* | QPL-14 | 1 per 7 production days, per source | Jobsite storage | |
| | Steel Bars for | Number <i>M31M</i> | | 1 pc @ 24" per size | | | | |
| | Reinforcement | Weight M31M | | | | | Supplier,Fabricator or | |
| | | Dimensions <i>M31M</i> | DOT-166 | | | | | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap <i>M31M</i> | | | QPL-12 & QPL-61 | Random sampling at | | |
| | L | Tensile Strength T244 | | | w/Certified Mill Test Reports. | Fabricator | Jobsite storage | |
| | | Yield Strength T244 | | | rtoporto. | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | | | | | | |
| | | Chemical <i>M31M</i> | | | | | | |
| | Steel Wire for | Size M32 | | | Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | Reinforcement | Diameter M32 | | | | | | |
| | | Area M32 | | | | | | |
| | | Tensile Strength T244 | Certification | 1 pc @ 24" per size/dia | | | | |
| | | Yield Strength T244 | | per 3/20/4/4 | Roport | | producer stock | |
| | | Area Reduction T244 | | | | | | |
| | | Bend Test M32 | | | | | | |
| | Welded Steel | Size <i>M55M</i> | | | | | | |
| | Wire Fabric for Reinforcement | Diameter <i>M55M</i> | | | | | | |
| | Romorocmon | Area M55M | | | | | | |
| | | Tensile Strength T244 | | | | | | |
| | | Yield Strength T244 | | | | | | |
| | | Area Reduction T244 | Certification | 2' X 2' | QPL-55 w/Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | | Bend Test M55M | | | wiiii 103t Nepolt | | producer stock | |
| | | Weld Shear Strength M55M | | | | | | |
| | | Width <i>M55M</i> | | | | | | |
| | | Length <i>M55M</i> | 7 | | | | | |
| | | Spacing <i>M55M</i> | | | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Preformed Joint Filler | Table & Table & | Misc. DOT- 168 | 0/ iiii 22 | QPL-20 Certified Mill Test Report | 7.0001.0.102 | 0. 0. a | |
| | Tie Bars | Number M31M Weight M31M Dimensions M31M Deformation Spacing M31M Height & Gap M31M Tensile Strength T244 | DOT-166 | 3 bars @ 30" | QPL-12 & QPL-61 | | Jobsiste storage, prior | |
| | | Yield Strength T244 Elongation T244 Bend Test T285 Chemical M31M Coating 853.08 | 501 100 | long | QIE IZ Q QIE OI | | to use | |
| | Graded Aggregate | Gradation <i>T11</i> Sand Equivalent <i>GDT-63*</i> Gradation <i>T27</i> | DOT-658 | 45 lbs. | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D sources. | Stockpile | *Normally GDT-63 will only be required on Independent Assurance samples of graded aggregate. Also, GDT-2 will normally only be required on Independent Assurance samples on fine aggregate. |
| | Coarse Aggregate | Gradation T27 Wash 200 T11 | DOT-658 | 45 lbs. | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | Belt or Stockpile | |
| | Fine Aggregate | Gradation 727 Minus No. 200 711 Sand Equivalent GDT-63 | DOT-658 | 20 lbs. | One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-1 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | Belt or Stockpile | |

| TYPE CONSTRUCTION MATERIAL TISST PROCEDURES REPORT SM SUZF OF Report ASSURANCE CONTROL C | | | | | | GUIDE FR | EQUENCY | | |
|--|-----------------|---------------------|-----------------------------|------------|----------|-----------------------------------|------------|-----------------|---------|
| Concrete Congressive Strength GDT-35 A T22 Cylinders Cyl | | MATERIAL | | | | ACCEPTANCE | | | REMARKS |
| Slump GDT-27 | 23.10.1.00.7014 | | Compressive Strength GDT-35 | -1106013 | 6" X 12" | Three sets of 2 | 7.000 | J. J 23 | |
| Slump GDT-27 | | | Air Content GDT-26 | | | | | - | |
| Mix Temperature GDT-122 Side Temperature GDT-123 Side Temperature GDT-124 Side Temperature GDT-125 Side | | | Slump GDT-27 | DOT-319 | | Are made & as judge | | | |
| Silag | | | - | | | adequate control. | | | |
| Activity M302 | | | Thickness | | | As per specified Shoulder Type | | | |
| Activity M302 | | Slag | Fineness <i>M302</i> | | | | | | |
| Density M302 Chemical M302 | | | Activity M302 | | | | per source | | |
| Chemical M302 Fineness M295 Activity M295 Soundness M295 Density M295 Density M295 Chemical M295 Density M295 | | | Air Content M302 | DOT-175 | 10 lbs. | QPL-30 | | Jobsite storage | |
| Fiy Ash | | | Density M302 | | | | | | |
| Activity M295 Soundness M295 Density M295 Chemical M29 | | | Chemical <i>M302</i> | | | | | | |
| Soundess M295 DOT-175 10 lbs. QPL-30 Jobsite storage | | Fly Ash | Fineness <i>M295</i> | | | | | | |
| Density M295 Chemical M295 | | | Activity M295 | | | | per source | | |
| Density W295 | | | Soundness M295 | DOT-175 | 10 lbs. | QPL-30 | | Jobsite storage | |
| Silicone Sealant | | | Density M295 | | | | | | |
| Durometer ASTM D2240 Bond GDT-106 Tack Free Time GDT-106 Extrusion GDT-106 Tack Free Time GDT-106 Tack Free T | | Silicone Sealant | Chemical <i>M295</i> | | | | | | |
| Bond 6DT-106 | | | Tensile Stress ASTM D412 | | | | | | |
| Tack Free Time GDT-106 Extrusion GDT-106 Non-Volatile GDT-106 Non-Volatile GDT-106 Specific Gavity ASTM D792 Adhesion GDT-106 Resistance ASTM C793 Density ASTM D1622 Tensile Strength ASTM D1623 Misc. DOT-168 Of the strength of the s | | | Durometer ASTM D2240 | Misc DOT- | | | | | |
| Extrusion GDT-106 Non-Volatile GDT-106 Specific Gravity ASTM D792 | | | Bond <i>GDT-106</i> | | | | | | |
| Non-Volatile GDT-106 Specific Gravity ASTM D792 Adhesion GDT-106 Resistance ASTM C793 Resistance ASTM C793 Resistance ASTM D1622 Tensile Strength ASTM D1623 Water Absorption ASTM C1061 Water Absorption ASTM C1061 Resport; 1 sample per shipment Sheport Report Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment Report Repo | | | Tack Free Time GDT-106 | | | QPL-66 | | | |
| Non-Volatile GDT-106 Specific Gravity ASTM D792 Adhesion GDT-106 Resistance ASTM C793 Specific Gravity ASTM D1622 Tensile Strength ASTM D1623 Water Absorption ASTM C1061 ASTM D1623 Tensile Strength ASTM D1623 Water Absorption ASTM C1061 ASTM D1623 Tensile Strength ASTM D1623 Astmosphere Shipment ASTM D1623 Astmosphere Ship | | | Extrusion GDT-106 | | | | | | |
| Adhesion GDT-106 Resistance ASTM C793 Density ASTM D1622 | | | Non-Volatile GDT-106 | | | | | | |
| Resistance ASTM C793 | | | Specific Gravity ASTM D792 | | | | | | |
| Bond Breakers | | | Adhesion <i>GDT-106</i> | _ | | _ | | | |
| -Rods Tensile Strength ASTM D1623 Water Absorption ASTM C1061 Bond Breakers -Tape Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment Certified Mill Test Report Certified Mill Test Report Certified Mill Test Report Certified Mill Test Report Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment Certified Mill Test Report Post Life GDT-58 Bond Strength GDT-58 Shelf Life Misc. DOT- 168 Misc. DOT- 168 QPL-15 | | | Resistance ASTM C793 | | | | | | |
| Misc. DOT- | | | Density ASTM D1622 | | | | | | |
| Bond Breakers | | -Rods | Tensile Strength ASTM D1623 | | 6 ft | Central Lab & | | | |
| Foxy Pot Life GDT-58 Misc. DOT- Shelf Life Misc. DOT- 168 Report | | | Water Absorption ASTM C1061 | 108 | | Report; 1 sample per | | | |
| Adhesive Bond Strength <i>GDT-58</i> Shelf Life Misc. DOT- 168 Misc. DOT- 168 QPL-15 | | | Thickness | | | | | | |
| Misc. DOT- QPL-15 QPL-15 | | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| Shelf Life 168 | | Adhesive | Bond Strength GDT-58 | Misc. DOT- | | OBL 45 | | | |
| Condition | | Shelf Life 10 | Shelf Life | | | QPL-15 | | | |
| | | | | | 1 | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| 441 | | | | | | | | |
| MISCELLANEOUS | Portland | Air Content T137 | | | | | | |
| CONCRETE | Cement | Fineness <i>M85</i> | | | | | | |
| | | Autoclave <i>M85</i> | DOT-175 | | QPL-3 | | | |
| | | Compressive Strength M85 | DO1-175 | | QPL-3 | | | |
| | | Vicat T131 | | | | | | |
| | | Chemical <i>M85</i> | | | | | | |
| | Portland | Air Content T137 | | | | | | |
| | Pozzolan Cement | Fineness M240 | | | | | | |
| | Comon | Autoclave M240 | DOT-175 | | QPL-3 | | | |
| | | Compressive Strength M240 | DO1-175 | | QPL-3 | | | |
| | | Vicat T131 | | | | | | |
| | | Chemical <i>M240</i> | | | | | | |
| | Fine Aggregate | Gradation 727 | | | | | | |
| | | Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i> | DOT-658 | 20 lbs. | One per 500 tons, based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 T11 | | | | | | |
| () () | Aggregate | Gradation 727 | DOT-658 | 45 lbs. | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Curing Agents | Specification for Liquid Membrane Curing <i>M148</i> | DOT-168 | | QPL-16 | | | |
| | Air- Entrainment Admixtures | Air-Entraining Admixtures for Concrete M154 | Misc. DOT- 168 | | QPL-13 | | | |
| | Chemical Admixtures | Chemical Admixtures for Concrete M194 | Misc. DOT- 168 | | QPL-14 | | | |
| | Steel Bars for | Number <i>M31M</i> | DOT-166 | 1 pc @ 24" | QPL-12 & QPL-61 | Random sampling at | Supplier,Fabricator or | |

| | | | | | GUIDE FR | EQUENCY | | |
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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Reinforcement | Weight <i>M31M</i> | | per size | w/Certified Mill Test | Fabricator | Jobsite storage | |
| | | Dimensions <i>M31M</i> | | | Reports. | | | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap <i>M31M</i> | | | | | | |
| | | Tensile Strength T244 | | | | | | |
| | | Yield Strength T244 | | | | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | | | | | | |
| | | Chemical M31M | | | | | | |
| | Steel Wire for | Size M32M | | | | | | |
| | Reinforcement | Diameter M32M | | | | | | |
| | | Area M32M | | | 0 10 11 11 7 | | | |
| | | Tensile Strength T244 | Certification | 1 pc @ 24" per size/dia | Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | | Yield Strength T244 | | per 3/20/4/4 | Порон | | producer stook | |
| | | Area Reduction T244 | | | | | | |
| | | Bend Test M32M | | | | | | |
| | Welded Steel | Size M55M | | | | | | |
| | Wire Fabric for Reinforcement | Diameter M55M | | | | | | |
| | | Area M55M | | | | | | |
| | | Tensile Strength T244 | | | | | | |
| | | Yield Strength T244 | | | ODL 55/O:('61 | | labalta atauana analian | |
| | | Area Reduction T244 | Certification | 2' X 2' | QPL-55 w/Certified Mill Test Report | Random sampling | Jobsite storage and/or producer stock | |
| | | Bend Test M55M | | | Will Tool Troport | | producor stock | |
| | | Weld Shear Strength <i>M55M</i> | | | | | | |
| | | Width M55M | | | | | | |
| | | Length <i>M55M</i> | | | | | | |
| | | Spacing <i>M55M</i> | | | | | | |
| | Joint Fillers & S | | | | | | | |
| | Preformed Joint Filler | M153 or M213 | Misc. DOT- 168 | 10" | QPL-20 | | Stock | Sample in accordance with SOP-17 |
| | Hot Pour Joint | Penetration <i>GDT-62</i> | | | | | | |
| | Sealers | Flow <i>GDT-62</i> | | | | | - | |
| | | Resilience <i>GDT-62</i> | Misc. DOT- | 8 lb. kit | Pre-inspected by Central Lab; 1 | | Stock | |
| | | Bond <i>GDT-62</i> | 168 | O ID. KIL | sample per shipment | | Stock | |
| | | Compatibility GDT-62 | + | | | | 1 | |
| | Elastomeric | Cone Penetration <i>GDT-15</i> | | | Pre-inspected by | | | |
| | Polymer Type | Solubility <i>GDT-15</i> | Misc DOT | | Central Lab & | | 1 | |
| | Joint Res | Resilience <i>GDT-15</i> | Misc. DOT- 168 | 1 kit | Central Lab & Certified Mill Test Report; 1 sample per shipment | | Stock | |
| | | Flow GDT-15 | | | | | | |
| I | L | | | L | Tk | | 1 | |

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| TYPE | | TEST PROCEDURES | REPORT SM | SIZE OF | | QUALITY | LOCATION OR TIME | |
| CONSTRUCTION | MATERIAL | Name & <i>Number</i> | Report | SAMPLE | ACCEPTANCE | ASSURANCE | OF SAMPLING | REMARKS |
| | | Bond <i>GDT-15</i> | | | | | | |
| | Preformed Elastic Joint | Tensile Strength ASTM D412 | | | | | | |
| | Sealer | | | | | | | |
| | | Elongation at Break ASTM D412 | | | | | | |
| | | Hardness ASTM D2240 | 1 | | | | | |
| | | Oven Aging ASTM D573 | Pre-inspected by Central Lab & | | | | | |
| | | Oil Swell ASTM D471 | Misc. DOT- 168 | 36" | Certified Mill Test | | Stock | |
| | | Ozone Resistance ASTM D1149 | 108 | | Report; 1 sample per shipment | | | |
| | | Joint Sealer Recovery GDT-47 | _ | | | | | |
| | | | | | | | | |
| | | Compression/Deflection GDT-70 | | | | | | |
| | Water-Blown Urethane Joint Filler | Specification 833.05 | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Silicone Sealant | Tensile Stress ASTM D412 | | | | | | |
| | | Hardness ASTM D2240 | | | | | - | |
| | | Bond <i>GDT-106</i> | † | | | | - | |
| | | Tack Free Time GDT-106 | | | | | - | |
| | | Extrusion GDT-106 | Misc. DOT- | | QPL-66 or 1 sample | | Stock | |
| | | Non-Volatile <i>GDT-106</i> | 168 | | per batch, per Type | | - | |
| | | Specific Gravity ASTM D792 | 1 | | | | | |
| | | Adhesion <i>GDT-106</i> | _ | | _ | | | |
| | | Resistance ASTM C793 | _ | | 1 | | • | |
| | Bond Breakers | Density ASTM D1622 | | | | | | |
| | – Rods | Tensile Strength ASTM D1623 | Misc. DOT- | 0.4 | Pre-inspected by Central Lab & | | Charle | |
| | | Water Absorption ASTM C1061 | 168 | 6 ft | Certified Mill Test Report; 1 sample per shipment | | Stock | |
| | Bond Breakers – Tape | Thickness | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Neoprene for Bridge Deck Joint Seal | Specification 833.07 | Misc. DOT- 168 | | Certified Mill Test Report | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals | Specification 833.08 | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Polyurethane Sealant for Inductive | Hardness ASTM D2240 Tensile Strength ASTM D412 | | | | | | |
| | Loops | Elongation ASTM D412 | Misc. DOT- | | QPL-75 | | | |
| | | Flexibility | 168 | | Q1 L 73 | | | |
| | | Weather Resistance ASTM D822 | | | | | | |
| | Preformed Foam Joint Filler | Specification 833.2.10 | Misc. DOT- 168 | | Certified Mill Test Report | | | |
| | Dowel Bars | Number <i>M31M</i> | | | | | | |
| | | Weight <i>M31M</i> | 1 | | | | | |
| | | Dimensions M31M | 1 | | | | | |
| | | Deformation Spacing <i>M31M</i> * | | | | | | |
| | | Height & Gap <i>M31M</i> * | - | | QPL-43 w/Certified | | | |
| | | Tensile Strength T244 | DOT-166A | 2 bars | Mill Test Report | One per Project | Stock | *N/A for Plain Dowel Bars |
| | | Yield Strength T244 | | | | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | | | | | | |
| | | Chemical M3 | | | | | | |
| | | Coating 853.08 | | | | | | |
| | Concrete | Compressive Strength GDT-35 & T22 | | 2 cylinders | One set per each cumulative 100 yd ³ or 1 set per week, per Plant | | During placement operations | |
| | | Air Content GDT-26 or GDT-32 | DOT-319 | | Air & Slump tests are required when | | | |
| | | Slump GDT-27 | | | cylinders are made & as judged necessary to insure adequate control | | During placement operations | |
| | Fly Ash | Fineness <i>M295</i> | | | | | | |
| | | Activity M295 | DOT-175 | | - QPL-30 | | | |
| I | L | <u> </u> | 1 | | <u></u> | | l | 1 |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Soundness M295 | | | | | | |
| | | Density M295 | | | | | | |
| | | Chemical <i>M295</i> | | | | | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Bond Strength GDT-58 | Misc. DOT- | | ODI 45 | | | |
| | | Shelf Life | 168 | | QPL-15 | | | |
| | | Condition | | | | | | |
| 442 | | | | | | | | |
| SEALING | Silicone | Tensile Stress ASTM D412 | | | | | | |
| ROADWAY & BRIDGE JOINTS | Sealant | Durometer ASTM D2240 | | | | | | |
| BRIDGE JOINTS | | Bond <i>GDT-106</i> | | | | | | |
| | | Tack Free Time GDT-106 | | | | | | |
| | | Extrusion GDT-106 | Misc. DOT- | | 0.00 | | 1 | |
| | | Non-Volatile <i>GDT-106</i> | 168 | | QPL-66 | | Stock | |
| | | Specific Gravity ASTM D792 | | | - | | | |
| | | | | | | | | |
| | | Adhesion GDT-106 | | | - | | | |
| | | Resistance ASTM C793 | | | - | | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Bond Strength GDT-58 | | | - | | | |
| | | Shelf Life | | | - | | | |
| | | Elongation GDT-58 | Misc. DOT- | | QPL-15 or 1 sample | | Stock | |
| | | Hardness ASTM D2240 | 168 | | per batch, per Type | | | |
| | | Sag 7237 | | | - | | | |
| | | Wet Bond 7137 | | | - | | | |
| | Bond Breakers | Density ASTM D1622 | | | | | | |
| | - Rods | Tensile Strength ASTM D1623 | | | One per Project & | | | |
| | | | Misc. DOT- | 5 ft | Certified Mill Test | | Stock | |
| | | Water Absorption ASTM C1016 | 168 | | Report | | | |
| | | • | | | | | | |
| | Bond Breakers | Thickness | Misc. DOT- | 5 ft | One per Project & | | Stock | |
| | - Tape | | 168 | | Certified Mill Test | | | |
| | | | | | Report | | | |
| 445 | | | | | | | | |
| WATERPROOFING | Waterproofing | Permeability <i>GDT-69</i> | | | | | | |
| PAVEMENT JOINTS & CRACKS | Membranes for Pavement | Breaking Factor ASTM D882 | | | | | | |
| JOINTS & CRACKS | Joints & | | Misc. DOT- | | ODL 22 | | Charle | |
| | Cracks | Heat Resistance GDT-69 | 168 | | QPL-22 | | Stock | |
| | | Puncture Resistance ASTM E154 | | | | | | |
| 1 | | | | 1 | 1 | | I . | |

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| TYPE | | TEST PROCEDURES | REPORT SM | SIZE OF | | QUALITY | LOCATION OR TIME | |
| CONSTRUCTION | MATERIAL | Name & <i>Number</i> | Report | SAMPLE | ACCEPTANCE | ASSURANCE | OF SAMPLING | REMARKS |
| | | Elongation ASTM D882 | | | | | | |
| | | Pliability ASTM D146 | | | | | | |
| | | Adhesion GDT-69 | | | | | | |
| | | Thickness |] | | | | | |
| 446 | | | | | | | | |
| PAVEMENT REINFORCEMENT FABRIC | High Strength Pavement | Tensile Strength ASTM D412 | | | | | | |
| FABRIC | Reinforcement Fabric | Elongation ASTM D412 | | | | | | |
| | Tabilo | Density ASTM E12 | | | | | | |
| | | Weight per Gallon ASTM D70 | Misc. DOT- | | | | | |
| | | Softening Point ASTM D36 | 168 | | QPL-40 | | Stock | |
| | | Caliper ASTM D1777 | | | | | | |
| | | Specific Gravity ASTM D80 | | | | | | |
| | | Pliability ASTM D146 | | | | | | |
| | | Width | | | | | | |
| | | Weight | | | | | | |
| | Pavement Reinforcement | Tensile Strength ASTM D4632 | | | | | | |
| | Fabric – Type I or II | Elongation at Break ASTM D4632 | Misc. DOT- 168 | | QPL-40 | | Stock | |
| | | Asphalt Retention GDT-95 | | | | | | |
| | Bituminous Tack | Asphalt T-315 | | (2) 1 pt. | QPL-7 | | from Distributor | |
| 448 | | | | | | | | |
| PORTLAND CEMENT CONCRETE END | Concrete | Compressive Strength GDT-35 & GDT-22 | | | One set of 4 for ea | ch placement date. | | |
| DAMS & PATCHES | | Air Content GDT-26 & GDT-32 | DOT-319 | | (2 for 1 day, | , 2 for 3 day) | | |
| | | Slump GDT-27 | DO1-319 | | | | | |
| | | Mix Temperature <i>GDT-122</i> | | | required when cylin | emperature tests are ders are made & as sure adequate controls | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Elongation <i>GDT-58</i> | 1 | | | | 1 | |
| | | Bond Strength GDT-58 | Misc. DOT- | | QPL-15 or 1 sample | | | |
| | | Hardness ASTM D2240 | 168 | 1 kit | per batch, per Type | | Stock | |
| | | Sag Test 7237 | 1 | | | | 1 | |
| | | Wet Bond Test T237 | 1 | | | | | |
| | Silicone | Tensile Stress ASTM D412 | Misc. DOT- | | QPL-66 | | | |
| I | L | <u>I</u> | L | L | | L | 1 | <u> </u> |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Sealant | Durometer ASTM D2240 | 168 | | | | | |
| | | Bond GDT-106 | | | | | | |
| | | Tack Free Time GDT-106 |] | | | | | |
| | | Extrusion GDT-106 | | | | | | |
| | | Non-Volatile GDT-106 |] | | | | | |
| | | Specific Gravity ASTM D792 |] | | | | | |
| | | Adhesion GDT-106 | | | | | | |
| | | Resistance ASTM C793 | | | | | | |
| | Preformed Foam Joint Filler | Specification 833.2.10 | Misc. DOT- 168 | | QPL-20 | | | |
| | Portland | Air Content T137 | | | | | | |
| | Cement | Fineness <i>M85</i> | - | | - | | | |
| | | Autoclave M85 | 1 | | - | | | |
| | | Compressive Strength M85 | DOT-175 | | QPL-3 | | | |
| | | Vicat T131 | 1 | | - | | | |
| | | Chemical <i>M85</i> | 1 | | = | | | |
| | Portland | Air Content T137 | | | QPL-3 | | | |
| | Pozzolan Cement | Fineness M240 | | | - | | | |
| | Cement | Autoclave M240 | 507 | | 1 | | | |
| | | Compressive Strength M240 | DOT-175 | | | | | |
| | | Vicat T131 | | | 1 | | | |
| | | Chemical <i>M240</i> | | | | | | |
| | Fine Aggregate | Gradation 727 | | | | | | |
| | | Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i> | DOT-658 | 20 lbs. | One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 T11 | DOT-658 | 45 lbs. | One per 1,500 tons | QPL-2 Sources, 1 | | |

| | | | | | GUIDE FR | REQUENCY | | |
|----------------------|---------------------|--|---------------------|-------------------|--|---|--|-----------------------------|
| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Aggregate | Gradation 727 | | | based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Fly Ash | Fineness <i>M295</i> | | | QPL-30 | | | |
| | | Activity M295 | | | 1 | | | |
| | | Soundness <i>M295</i> | DOT-175 | | | | | |
| | | Density <i>M295</i> | _ | | = | | | |
| | | Chemical <i>M295</i> | | | 1 | | | |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Bond Strength GDT-58 | | | 0.51 4.5 | | | |
| | | Shelf Life | DOT-168 | | QPL-15 | | | |
| | | Condition | | | | | | |
| 450 | · | | | | | | | |
| PRESSURE | Concrete Grout | | | | | | | |
| GROUTING PORTLAND | Portland | Air Content T137 | | | | | | |
| CEMENT | Cement | Fineness <i>M85</i> | | | | | | |
| CONCRETE | | Autoclave M85 | DOT-175 | | QPL-3 | | | |
| PAVEMENT | | Compressive Strength M85 | DO1-1/5 | | QPL-3 | | | |
| | | Vicat T131 | | | | | | |
| | | Chemical <i>M85</i> | | | | | | |
| | Calcium Chloride | Specification M144 | DOT-319 | | | | | |
| | Water | Quality of Water to be Used in Concrete 726 | DOT-088 | 1 qt. | One per unpotable Source, per month | | Enough in advance so that results are known before use | *Non-metal container |
| | Fly Ash | Fineness <i>M295</i> | | | | | | |
| | | Activity M295 | | | | | | |
| | | Soundness M295 | DOT-175 | | QPL-30 | | | |
| | | Density <i>M295</i> | | | 1 | | | |
| | | Chemical <i>M295</i> | | | 1 | | | |
| | Fine Aggregate | Gradation 727 | DOT-658 | 20 lbs. | One per 500 tons | QPL-1 Sources, 1 | Stock | If Lime or Fly Ash is to be |

| | | | | | GUIDE FR | EQUENCY | | |
|--------------------------------|----------------------|--|---------------------|-------------------|--|---|---------------------------------|---|
| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Sand Equivalent <i>GDT-63</i> Minus No. 200 <i>T11</i> | | | based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | added, sample Total Mixture of Fine Aggregate as indicated. |
| | Complete Mixture | Flow of Grout <i>GDT-84</i> | | | One per day of operation | Observe 1 per Project | | |
| | | Penetration Resistance ASTM C403 | | | One per Project or enough to insure proper setting time | | During pumping operation | |
| | Agricultural Lime | | | | Pre-approved | by Central Lab | | |
| | Mineral Filler | Gradation GDT-22 | † | | | | | |
| | | Plasticity Index T90 | | | | | | |
| 451 | | | | | | | | |
| PATCHING | 24-Hour Concre | <u>te</u> | | | | | | |
| PORTLAND CEMENT CONCRETE | Concrete | Compressive Strength <i>GDT-35</i> & <i>T22</i> | | | | ich placement date. | | O l'adar (a annua a |
| PAVEMENT | | Air Content GDT-26 & GDT-35 | DOT-319 | | Air, Slump & Mix Te required when cylin | , 2 for 3 day) emperature tests are iders are made & as | | - Cylinder frequency & curing in accordance with Section 504 of the |
| | | Slump GDT-27 | | | | to insure adequate | | Specifications |
| | | Mix Temperature GDT-122 | 1 | | CON | trols. | | |
| | Portland | Air Content T137 | | | | | | |
| | Cement | Fineness M85 | 1 | | | | | |
| | | Autoclave M85 | 1 | | | | | |
| | | Compressive Strength M85 | DOT-175 | | QPL-3 | | | |
| | | Vicat T131 | 1 | | 1 | | | |
| | | Chemical <i>M85</i> | 1 | | 1 | | | |
| | Fine Aggregate | Gradation 727 | | | One per 500 tons | QPL-1 Sources, 1 | | |
| | | Wash 200 T11 | DOT-658 | 20 lbs. | based upon QPL-1, | per month, per active | Stock or Conveyor Belt | |

| | | | | | GUIDE FR | REQUENCY | | |
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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Sand Equivalent <i>GDT-63</i> | | | except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 <i>T11</i> | | | | | | |
| | Aggregate | Gradation 727 | DOT-658 | 35 lbs. | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | Stock or Conveyor Belt | |
| | Calcium Chloride | Specification <i>M144</i> | DOT-319 | | | | | |
| | Water | Quality of Water to be Used in Concrete T26 | DOT-088 | 1 qt. | One per unpotable Source, per month | | Enough in advance so that results are known before use | *Non-metal container |
| | Ероху | Pot Life <i>GDT-58</i> | | | | | | |
| | Adhesive | Bond Strength GDT-58 | T | | 1 | | | |
| | | Shelf Life | Certification | | QPL-15 | | | |
| | | Condition | | | | | | |
| | Silicone | Tensile Stress ASTM D412 | | | | | | |
| | Sealant | Durometer ASTM D2240 | | | | | | |
| | | Bond <i>GDT-106</i> | | | | | | |
| | | Tack Free Time GDT-106 | | | | | | |
| | | Extrusion GDT-106 | | | | | | |
| | | Non-Volatile GDT-106 | Certification | | QPL-66 | | | |
| | | Specific Gravity ASTM D792 | | | | | | |
| | | Adhesion GDT-106 | + | | - | | | |
| | | Resistance ASTM D793 | + | | + | | | |
| | Polyethylene | Cell Structure | | | | | | |
| | Foam | Compression ASTM D1752 | Certification | | QPL-20 | | | |
| | | | | | | | | |

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| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Recovery ASTM D1752 | | | | | | |
| | | Water Absorption ASTM D1752 | | |] | | | |
| | | Extrusion ASTM D1752 | | | _ | | | |
| | Rapid Setting Patching | Flow of Mortar ASTM C109 | | | | | | |
| | Material | Flexural Strength T97 | | | | | | |
| | | Compressive Strength ASTM C109 or ASTM C31 | | | | | | |
| | | Absorption ASTM C140 | Certification | | QPL-27 | | Stock | |
| | | Chlorides T260 | - | | | | - | |
| | | Shear Bond Section 934.03 | | | - | | | |
| | | Freeze-Thaw Durability Certification | | | _ | | | |
| | Epoxy Concrete | | | | Mix Designs submitted to the Central Lab for approval | | | |
| 452 | | | | | | | | |
| FULL DEPTH SLAB REPLACEMENT | Concrete | Compressive Strength <i>GDT-35</i> & <i>T22</i> | | 6' X 12" cyls. | | ach placement date. , 2 for 3 day) | | |
| | | Air Content GDT-26 | DOT-319 | | Air & Slump tests are r | required when cylinders | | |
| | | Slump GDT-27 | | | | ed necessary to insure | | |
| | | Mix Temperature GDT-122 | | | adequati | e controls | | |
| | Portland | Air Content T137 | | | | | | |
| | Cement | Fineness <i>M85</i> | | | | | | |
| | | Autoclave <i>M85</i> | DOT-175 | | QPL-3 | | | |
| | | Compressive Strength M85 | 501-175 | | - Q1 L U | | | |
| | | Vicat T131 | | | _ | | | |
| | | Chemical M85 | | | | | | |
| | Fine Aggregate | Gradation 727 | DOT-658 | | One per 500 tons | QPL-1 Sources, 1 | | |
| | L | Minus No.200 <i>T11</i> | | | based upon QPL-1, | per month, per active | | |

| | | | | | GUIDE FR | REQUENCY | | |
|----------------------|----------------|---|---------------------|-------------------|--|---|---------------------------------|---------------------------|
| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & Number | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | | Sand Equivalent <i>GDT-63</i> | | | except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Coarse | Wash 200 T11 | | | | | | |
| | Aggregate | Gradation 727 | + | | - | QPL-2 Sources, 1 | | |
| | | | DOT-658 | | One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled. | per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources. | | |
| | Steel Bars for | Number M31M | | | | | | |
| | Reinforcement | Weight <i>M31M</i> | | | | | | |
| | | Dimensions M31M | | | | | | |
| | | Deformation Spacing M31M | | | | | | |
| | | Height & Gap <i>M31M</i> | DOT-166 | 1 pc @ 24" | QPL-12 & QPL-61 w/Certified Mill Test | Random sampling at | Supplier,Fabricator or | |
| | | Tensile Strength T244 | DO1-100 | per size | Reports. | Fabricator | Jobsite storage | |
| | | Yield Strength T244 | | | · | | | |
| | | Elongation T244 | | | | | | |
| | | Bend Test T285 | _ | | | | | |
| | | Chemical M31M | | | | | | |
| | Dowel Bars | Number M31M | | | | | | |
| | | Weight M31M | | | | | | |
| | | Dimensions M31M | _ | | | | | |
| | | Deformation Spacing M31M* | _ | | | | | |
| | | Height & Gap M31M* | | 3 bars in | QPL-43 w/Certified | | | |
| | | Tensile Strength T244 | DOT-166A | basket assembly | Mill Test Report | | | *N/A for Plain Dowel Bars |
| | | Yield Strength T244 Elongation T244 | 4 | assortiony | | | | |
| | | Bend Test T285 | 4 | | | | | |
| | | Chemical M31M | 4 | | | | | - |
| | | Coating 853.08 | 4 | | | | | - |
| | Silicone | Tensile Stress ASTM D412 | Certification | | QPL-66 | | | |
| 1 | L | TOTORIO GROSSO AGTINI DATE | Cermication | .L | _ QFL-00 | _ | | |

| | | | | | GUIDE FR | EQUENCY | | |
|----------------------|--------------------------------------|---|---------------------|-------------------|-------------------|----------------------|---------------------------------|---------|
| TYPE CONSTRUCTION | MATERIAL | TEST PROCEDURES Name & <i>Number</i> | REPORT SM Report | SIZE OF SAMPLE | ACCEPTANCE | QUALITY ASSURANCE | LOCATION OR TIME OF SAMPLING | REMARKS |
| | Sealant | Durometer ASTM D2240 | | | | | | |
| | | Bond <i>GDT-106</i> | 7 | | | | | |
| | | Tack Free Time GDT-106 | 7 | | | | | |
| | | Extrusion GDT-106 | 1 | | | | | |
| | | Non-Volatile GDT-106 | 1 | | | | | |
| | | Specific Gravity ASTM D792 | | | | | | |
| | | Adhesion <i>GDT-106</i> | _ | | | | | |
| | | Resistance ASTM C793 | | | | | | |
| | Ероху | Pot Life GDT-58 | | | QPL-15 or one | | | |
| | Adhesive Bond Strength <i>GDT-58</i> | Bond Strength GDT-58 | Certification | 1 kit | sample per batch, | | Stock | |
| | | Shelf Life | | | per Type | | | |